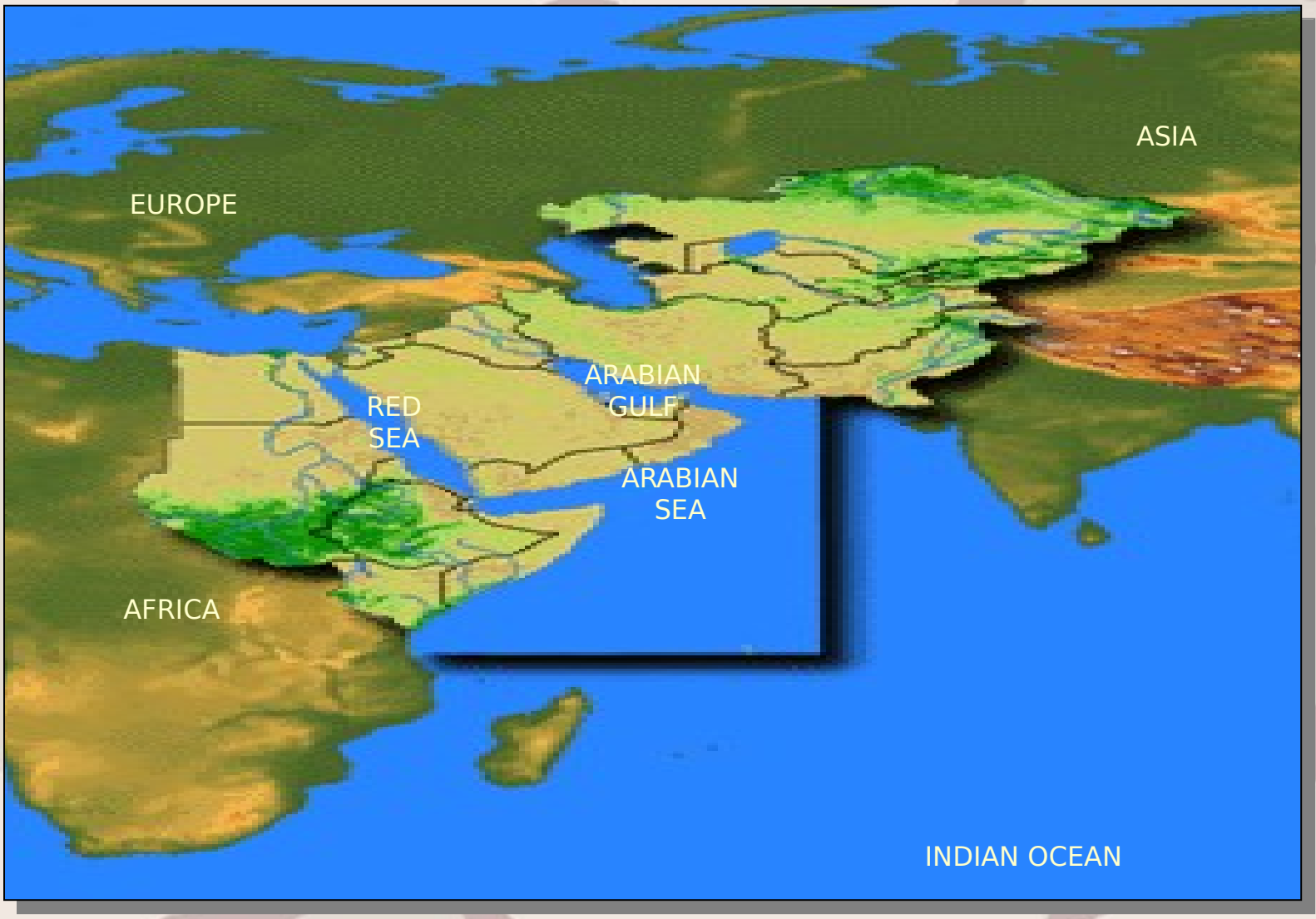
US CENTRAL COMMAND
OPERATION IRAQI FREEDOM

Batteries On The Battlefield

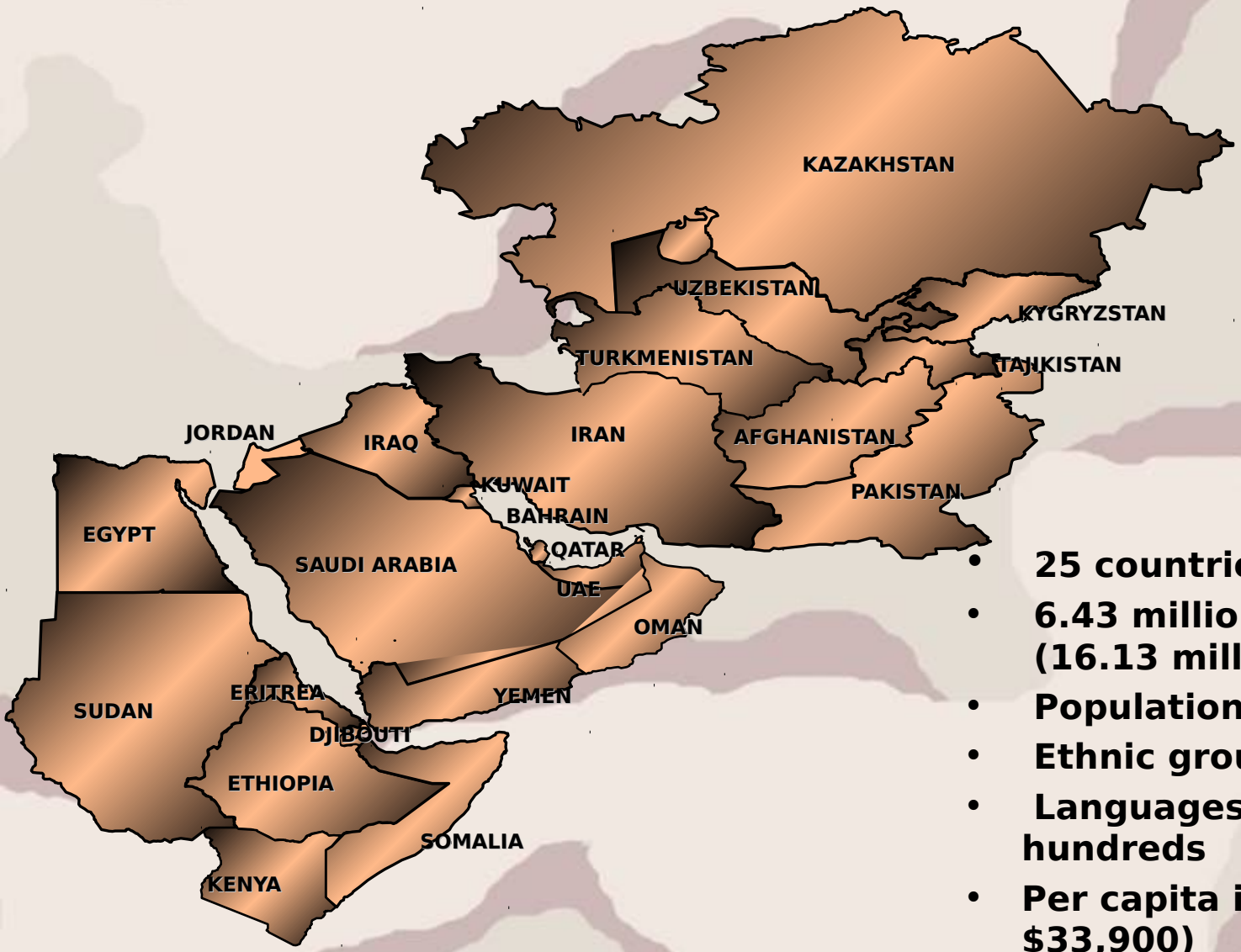
Power Generation Conference 14 - 17 Jul 03

BA 5590 BATTERY

CENTCOM AOR

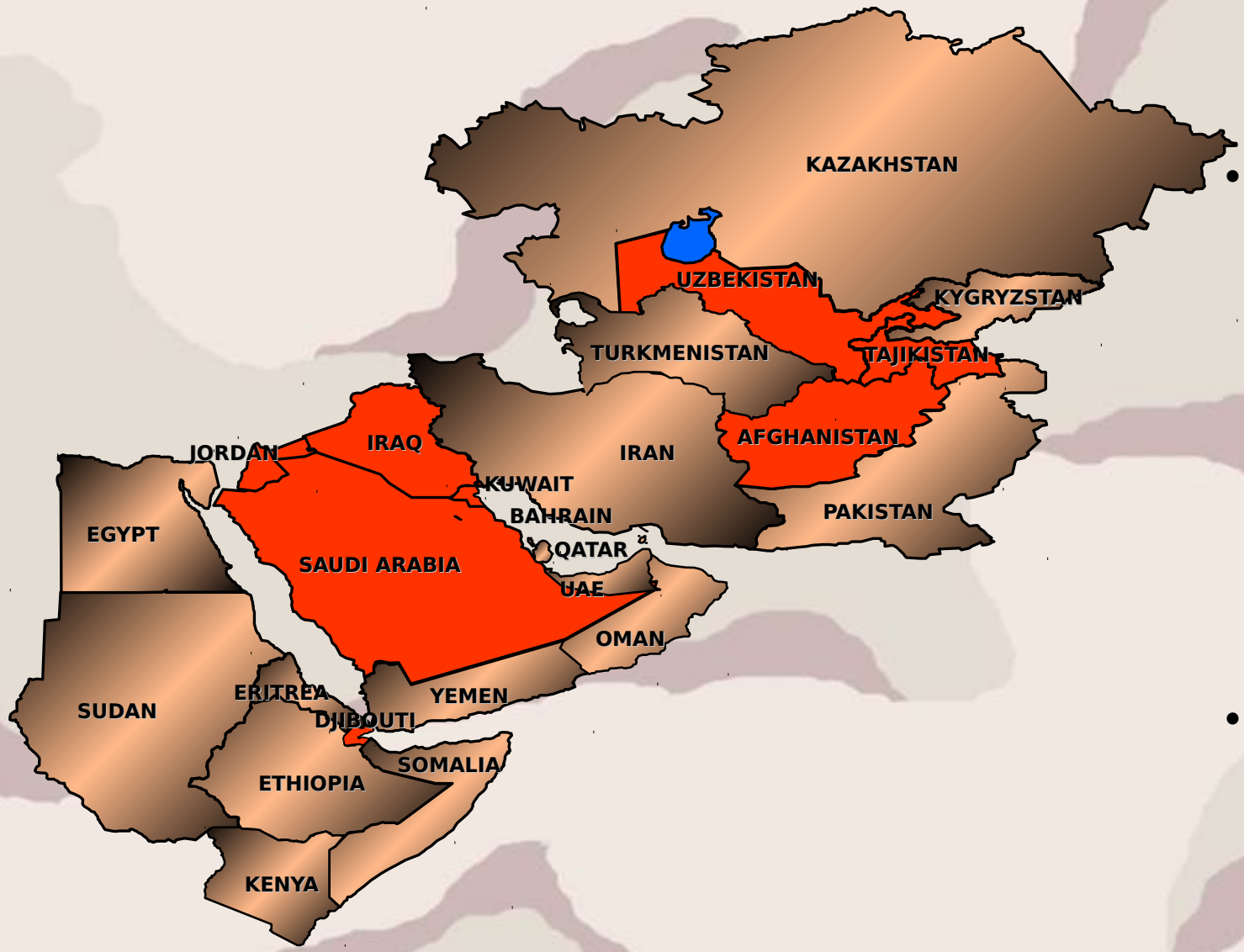

ASIA
EUROPE
ARABIAN GULF
RED SEA
ARABIAN SEA
AFRICA
INDIAN OCEAN

CENTCOM DATA



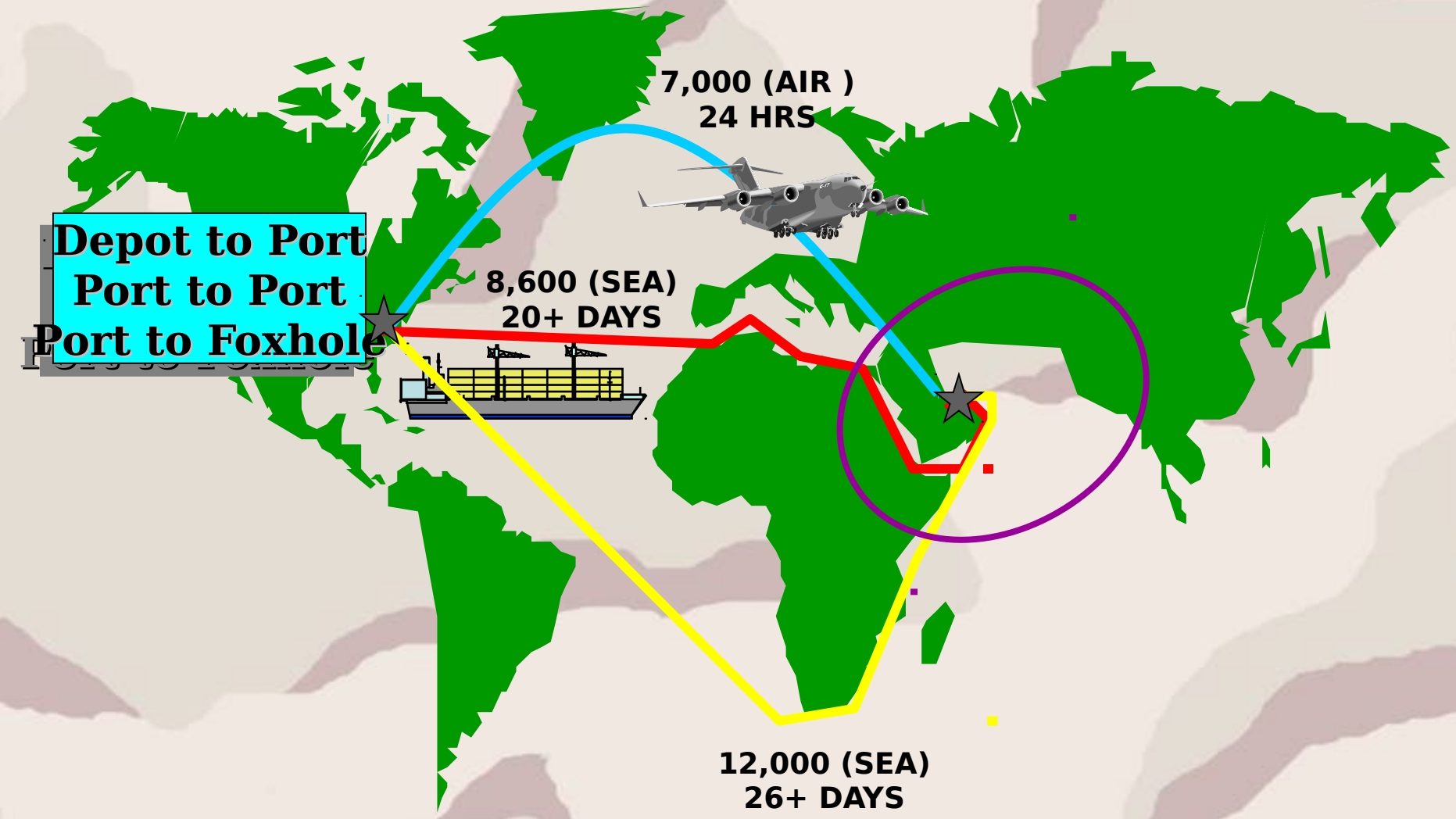
- 25 countries
- 6.43 million square miles (16.13 million sq kilometers)
- Population: 522+ million
- Ethnic groups: 18
- Languages: 7 major, hundreds of dialects
- Per capita income: (U.S. $33,900)
  Range from $530 to $24,000

OIF & OEF COUNTRY USERS

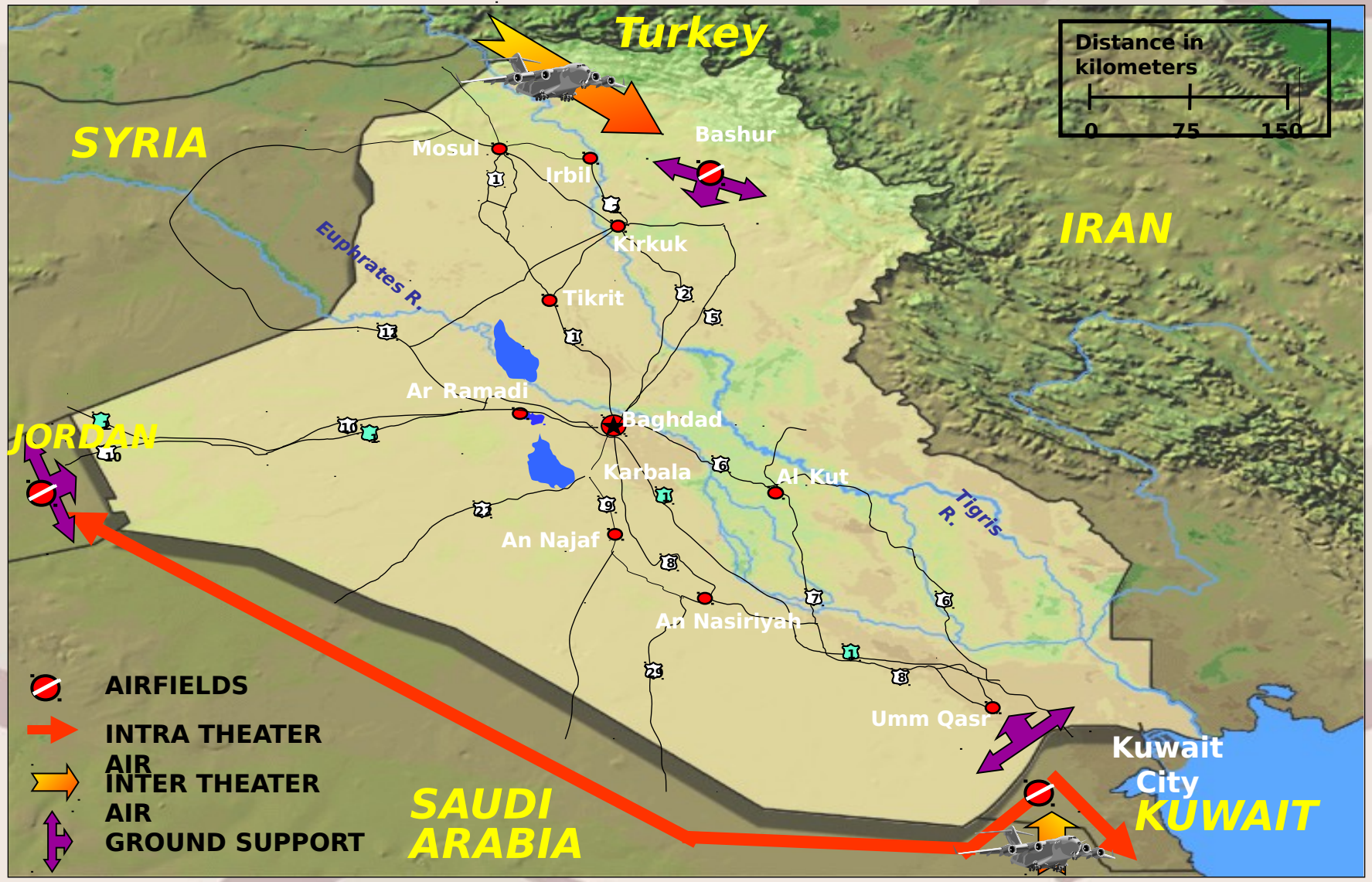


- **COUNTRIES**
  - JORDAN
  - IRAQ
  - KUWAIT
  - SAUDI ARABIA
  - UZBEKISTAN
  - AFGHANISTAN
  - TAJIKISTAN
  - DJIBOUTI
- **SERVICES**
  - ARMY
  - AIR FORCE
  - NAVY
  - MARINES

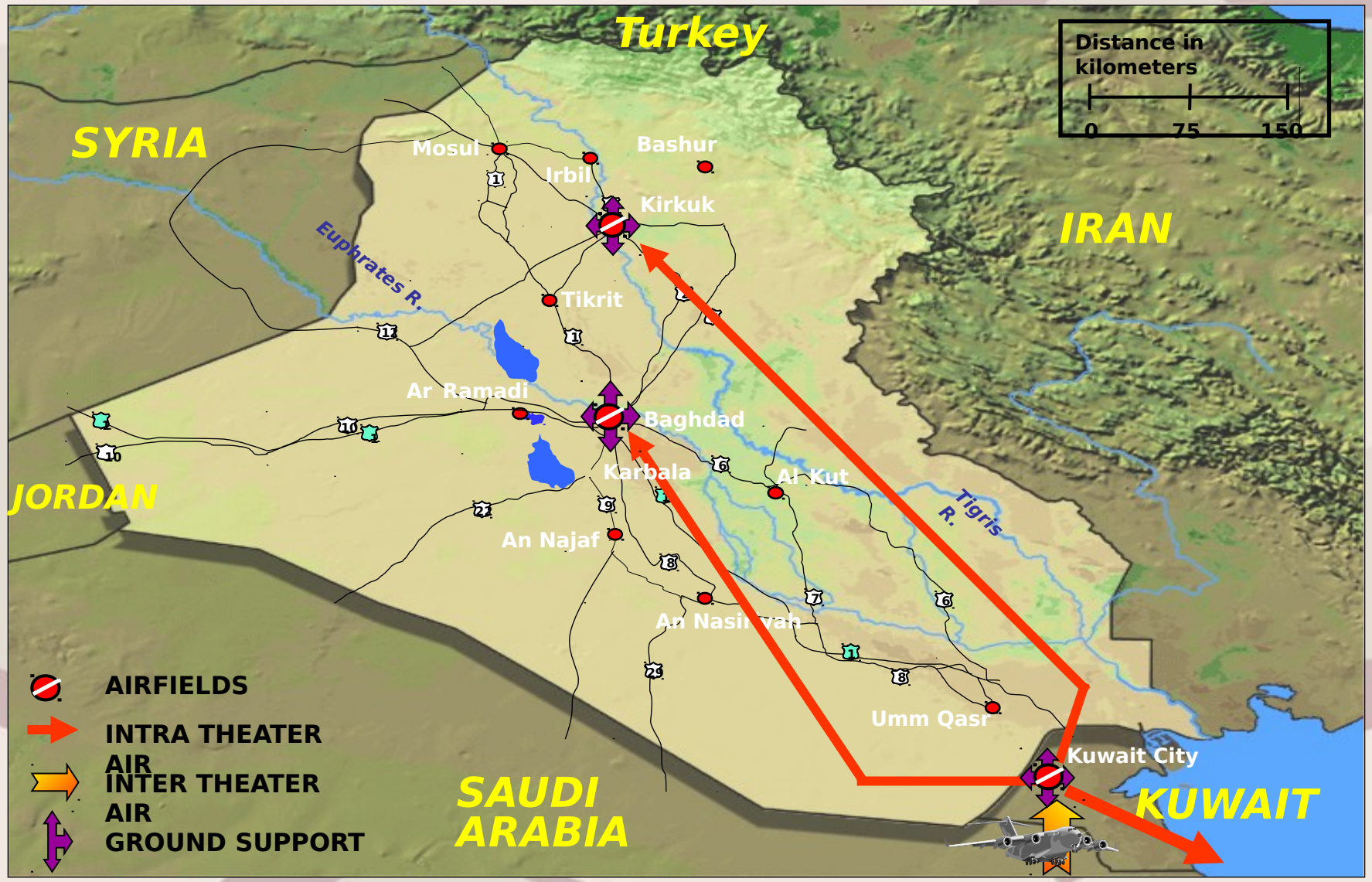
Transportation Options



INITIAL AIR & GROUND SUPPORT



CURRENT AIR & GROUND SUPPORT



BA 5590 SPECIFICATIONS

MILITARY UNIQUE WITH A LIMITED PRODUCTION BASE

WEIGHT:	2.33 LBS
OPERATING TEMP RANGE:	-20 to 160 F
LIFE EXPECTANCY:	24 HRS
SUPPORTS:	OVER 50 SYSTEMS

SYSTEMS POWERED

INDUSTRIAL BASE

Bren-Tronics inc.

Military Batteries and Charging Systems

ENERGY PRODUCTS

MATHEWS ASSOCIATES, INC.

BATTERY ASSEMBLERS, INC.

ULTRALIFE

B A T T E R I E S I N C.

S A F

THE BATTERY COMPANY

DEMANDS/ESTIMATES

Pre-Wartime Demand Estimates

Date	Source	Low Est/Mo*	High Est/Mo
Oct 02	HQ	44,000/mo	228,000/mo
Nov 02	HQ	44,000/mo	253,200/mo
Dec 02	HQ	60,000/mo	372,000/mo

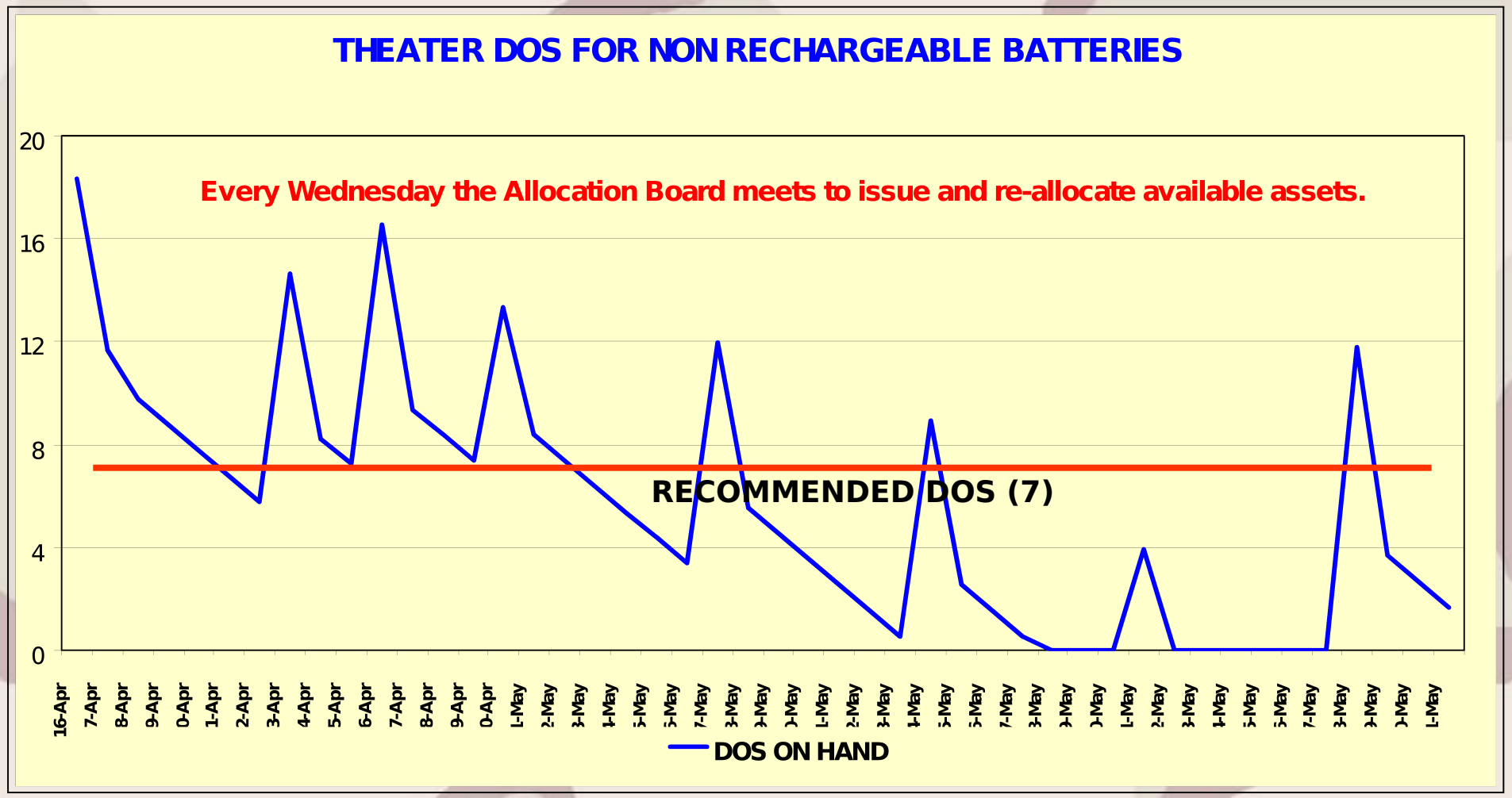
*Funded just above this level thru Dec 02

Wartime

Date	Source	Estimate/Mo
Feb/Mar 03	CENTCOM	373,000
Apr 03	CENTCOM	373,000-460,000
May 03	CENTCOM	180,000
June 03	CENTCOM	Decreasing

Battery build up hampered by years of limited funding environment

PRODUCTION DELIVERIES/DEMANDS



Note: Slide depicted on or about 4 April 03

NATIONAL IMPORTANCE

* World Wide Search

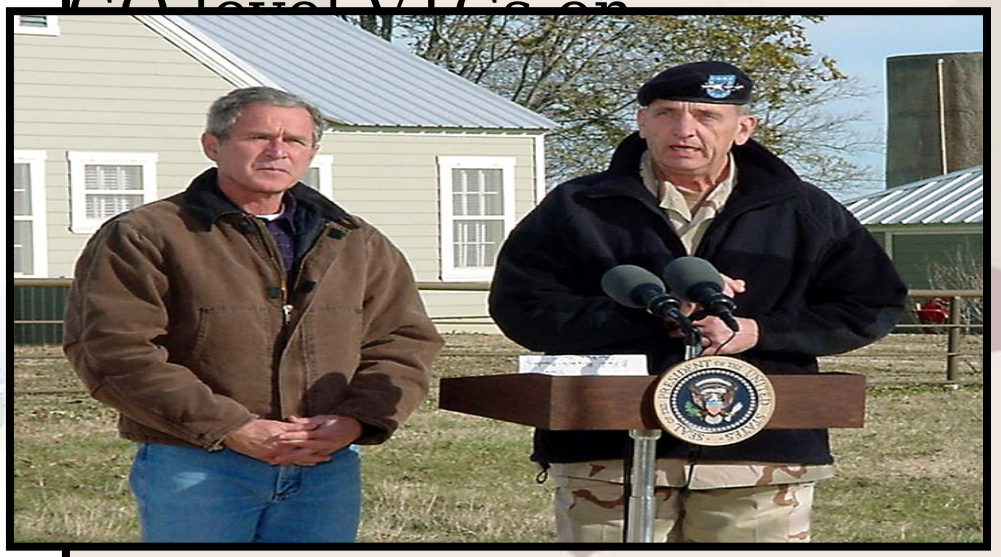
d U.S. stocks and Pre-positioned Ships

* JS directed all production to CENTCOM

NATIONAL IMPORTANCE

* Only log item on Gen Franks brief to The President

* Twice, the President mentioned Batteries to the SECDEF



SOLUTIONS

* A Short Wa

* Main Manufactures go to 24/7, 3

* Conservation Measures
  - Battery Life will be fully utilized
  - Used only when required
  - Use of alternate options

RECONSTITION PRIORITIES

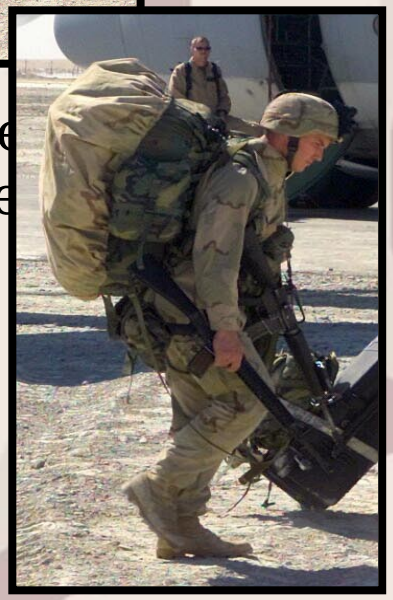
* Emphasize Rechargables
* Continue to support OIF/OEF
* Fill backorders and worldwide de
* Fill safety levels
* Fill War Reserves

FUTURE CHALLENGES

* Industrial Base: Lighter, longer lasting, lower cost

* Government:

-Better planning and funding
-Validate future requirements
-Get the mix right for chargeables and non-recharge
-Balance urge to get well soon vs. industrial base he



* What else does the “Warfighter” want

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LTC John A. LaTulip